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3/9/1 (Item 1 from file: 351)

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WPI Acc No: 1977-56248Y/197732

Lithin finishing process - comprising coating with an  
unsaturated resin, vinyl monomer and initiator, followed by an aggregate

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 52033929	A	19770315				197732 B

Priority Applications (No Type Date): JP 75109970 A 19750912

Abstract (Basic): JP 52033929 A

A lithin finishing is attained by coating a composition containing a polymerisable unsatd. resin, a vinyl monomer and a polymerisation initiator, spreading an aggregate on the surface of the film, if necessary, coating further with a finishing composition and applying electron or ultraviolet rays over the film for hardening.

Pref. polymerisable unsatd. resins are polyester, polyester-acrylic, urethane, butadiene, alkyd, acrylic and epoxy resins. The vinyl monomer may be acrylic acid or its ester, methacrylic acid, an aromatic vinyl monomer, vinyl acetate, vinyl ether or a di- or triester of a polyvalent alcohol (e.g. ethylene glycol) and acrylic acid or methacrylic acid. Mixing wt. ratio of the resin to vinyl monomer is 20-80:80-20 (the mixt. is called "resin vanish"). The aggregate size is above 0.3mm, preferably 0.5-2mm, diameter. The thickness of the film is 50-1500  $\mu$ m. Polymerisation initiators such as peroxides (e.g. azobisisobutyronitrile, benzoyl peroxide) (0.05-5 wt. pts. per 100 wt. pts. of resin vanish) are used and metal salt dryers (e.g. cobalt naphthenate), amines (e.g. phenylenediamine, aniline) and photosensitizers (e.g. a cinnamic acid ester or azo cpds.) (0.05-5.0 wt. pts. per 100 wt. pts. of resin vanish) may be added.

Derwent Class: A14; A23; A82; G02; P42

International Patent Class (Additional): B05D-005/06

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3/9/2 (Item 1 from file: 347)

00074929 METHOD FOR RISHIN FINISHING

Pub. No.: 52-033929 [JP 52033929 A ]

Published: March 15, 1977 (19770315)

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Application No.: 50-109970 [JP 75109970]

Filed: September 12, 1975 (19750912)

International Class: [ 2 ] B05D-005/06

JAPIO Class: 14.7 (ORGANIC CHEMISTRY -- Coating Material Adhesives)

JAPIO Keyword: R003 (ELECTRON BEAM); R044 (CHEMISTRY -- Photosensitive

JP52033929abs.txt

Resins); R124 (CHEMISTRY -- Epoxy Resins)

Journal: Section: C, Section No. 19, Vol. 01, No. 70, Pg. 1251, July 08, 1977 (19770708)

ABSTRACT

PURPOSE: To apply a weather-resistant reshin coating without causing air-pollution, by coating a substrate with a paint, such as a curable unsaturated resin, scattering agglomerates thereon, and irradiating with electron beam etc.

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